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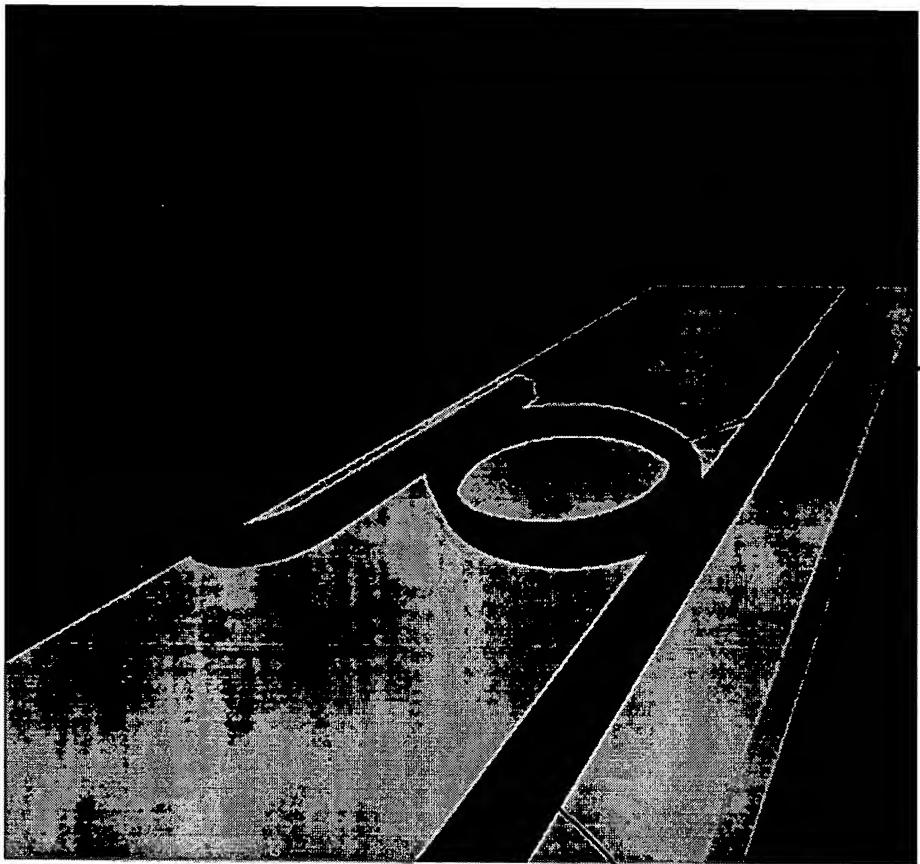
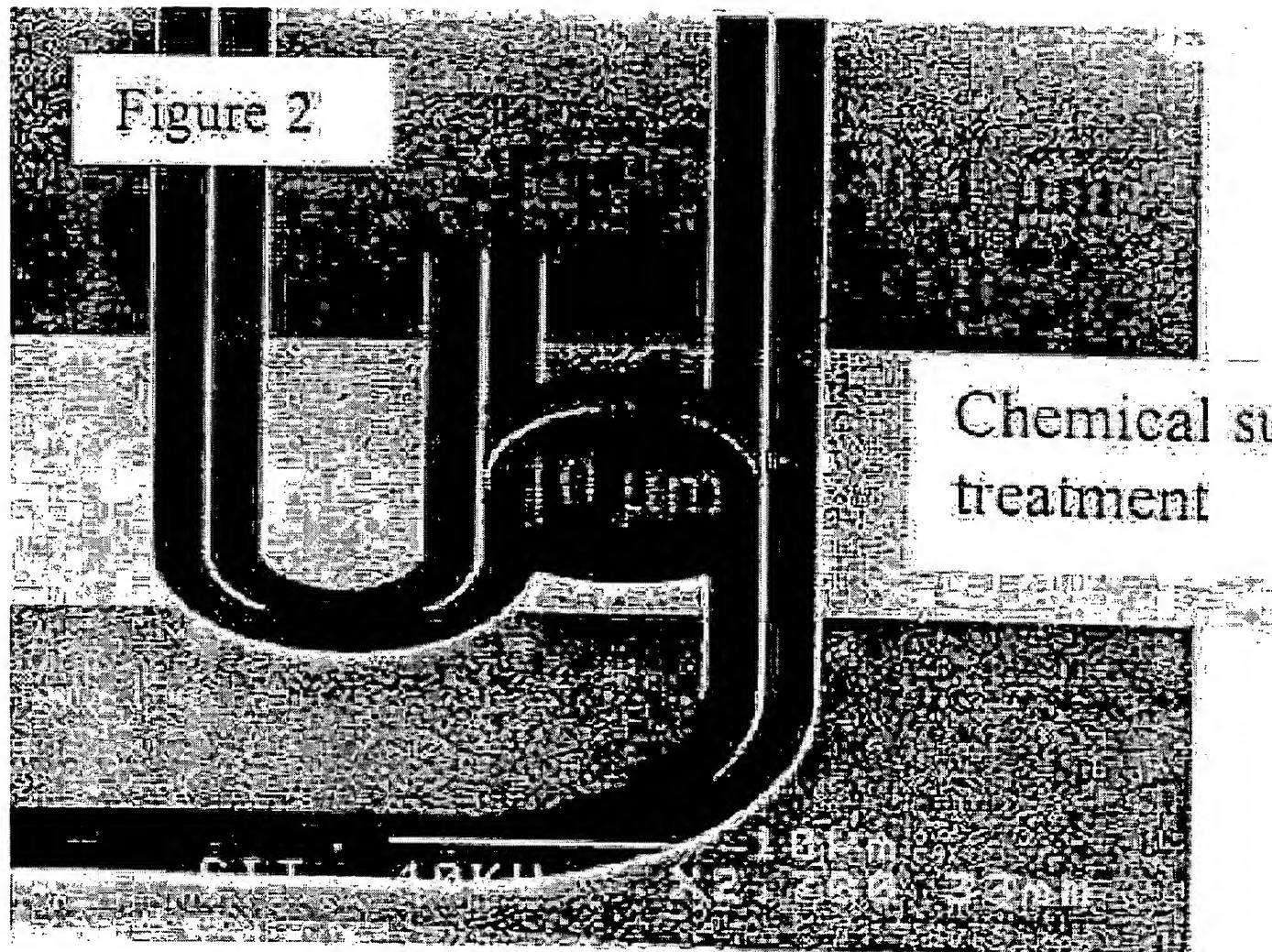


Fig. 1

20

Figure 2



Chemical surface treatment

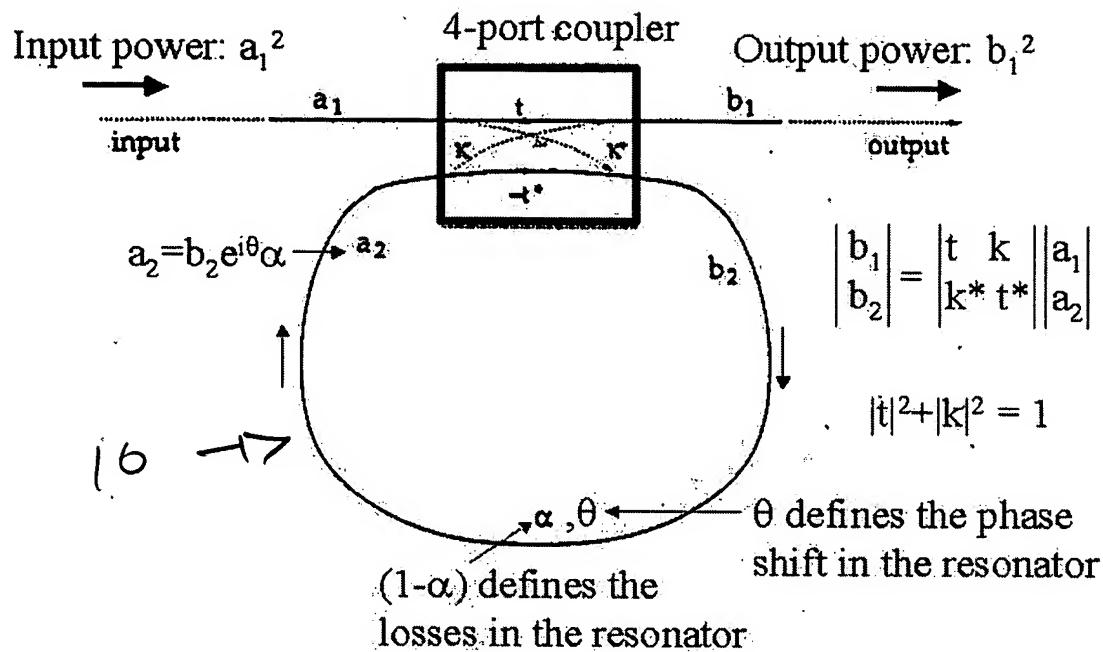


Fig. 3

Silicon waveguide

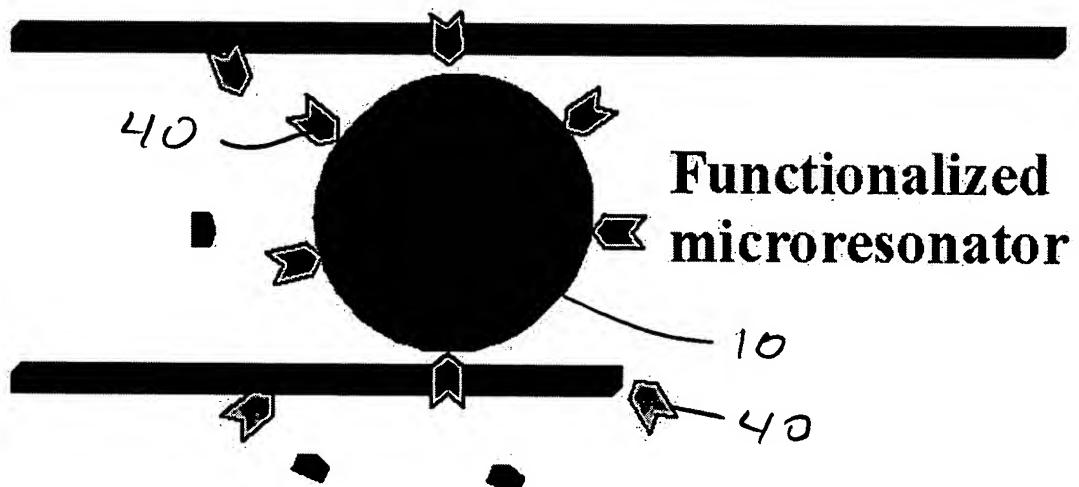


Fig. 4

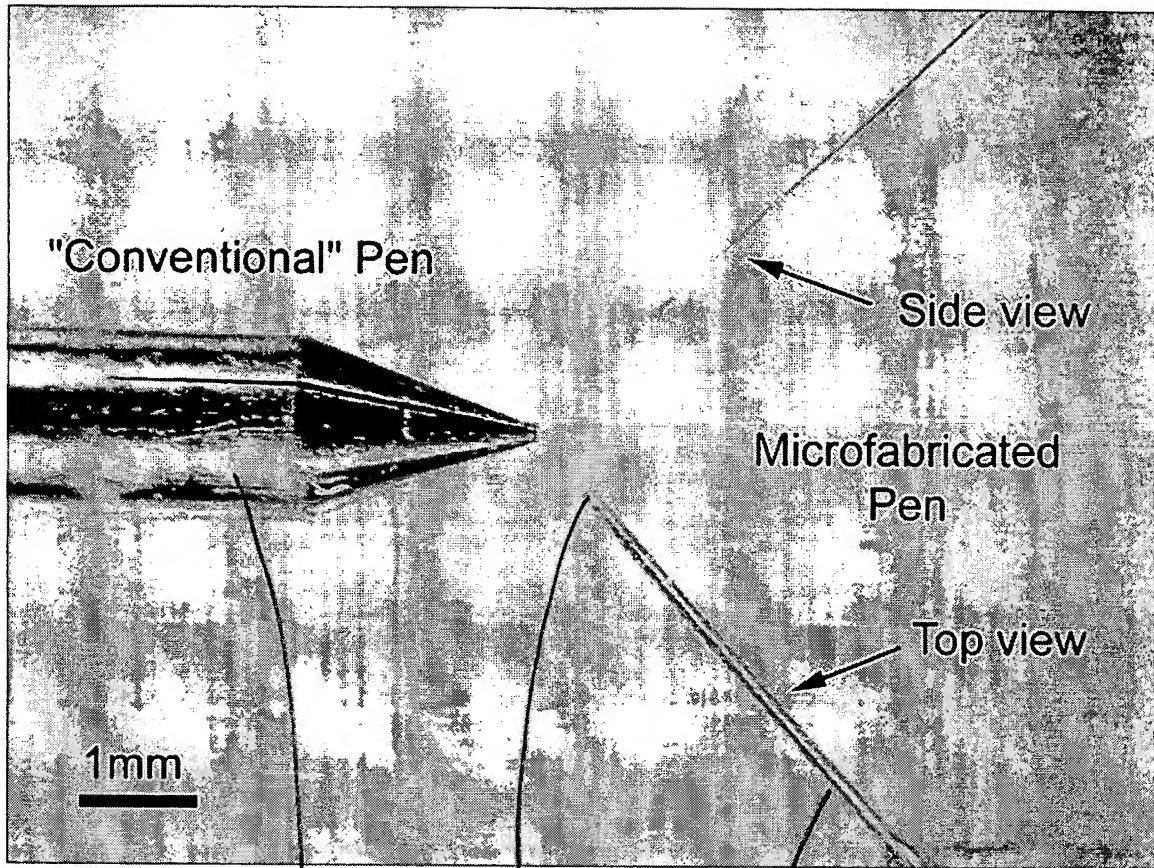


Fig. 5a

50 48 42

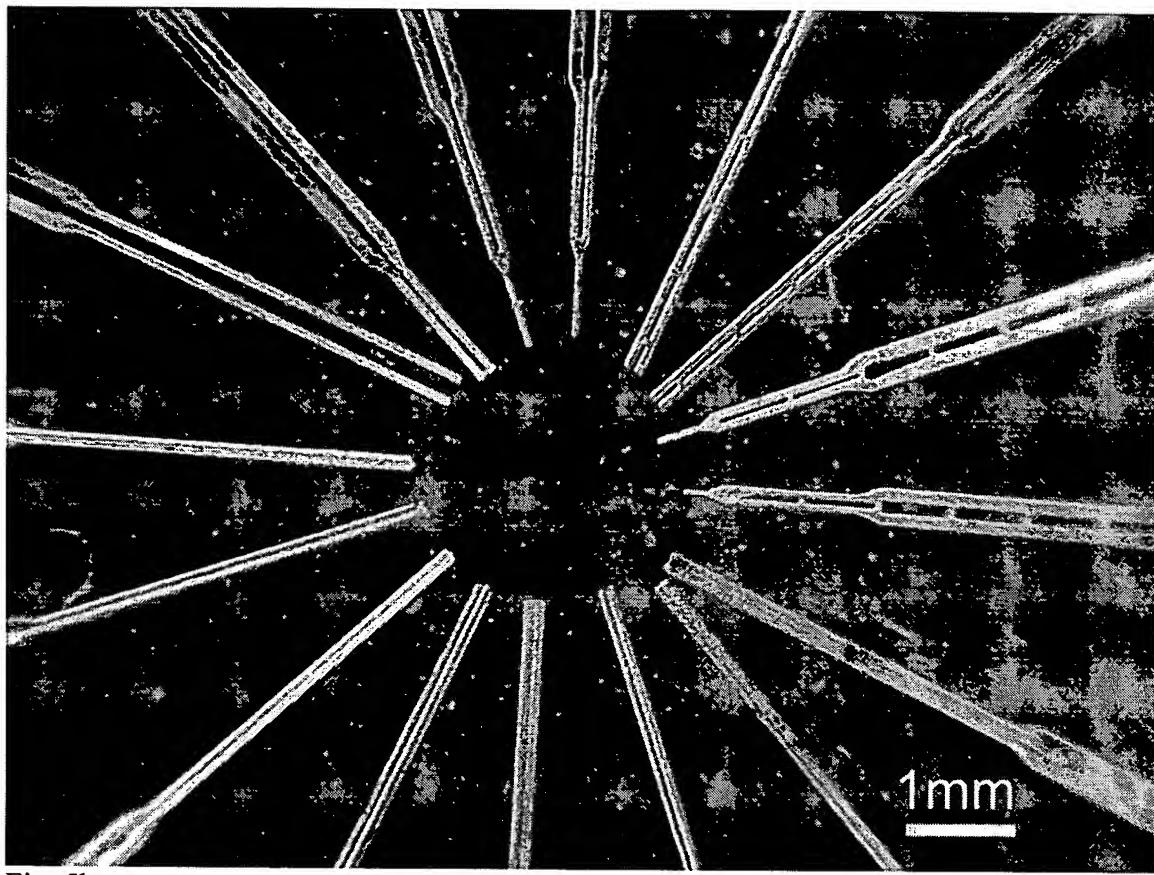


Fig. 5b

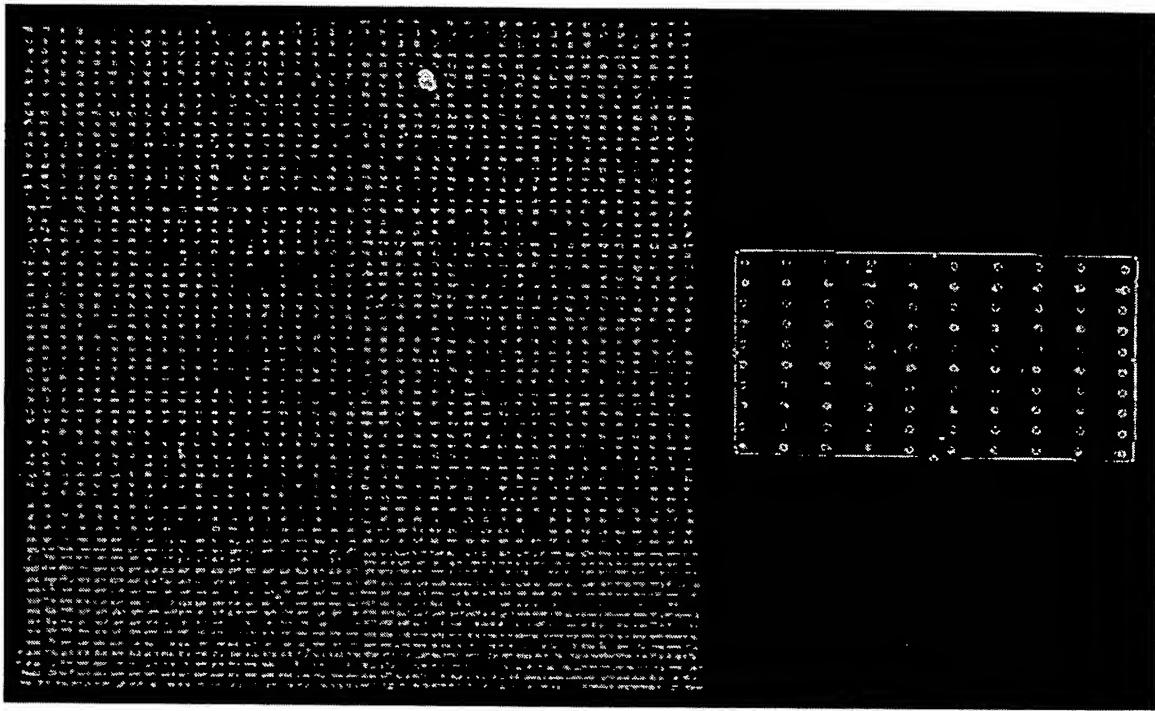


Fig. 6

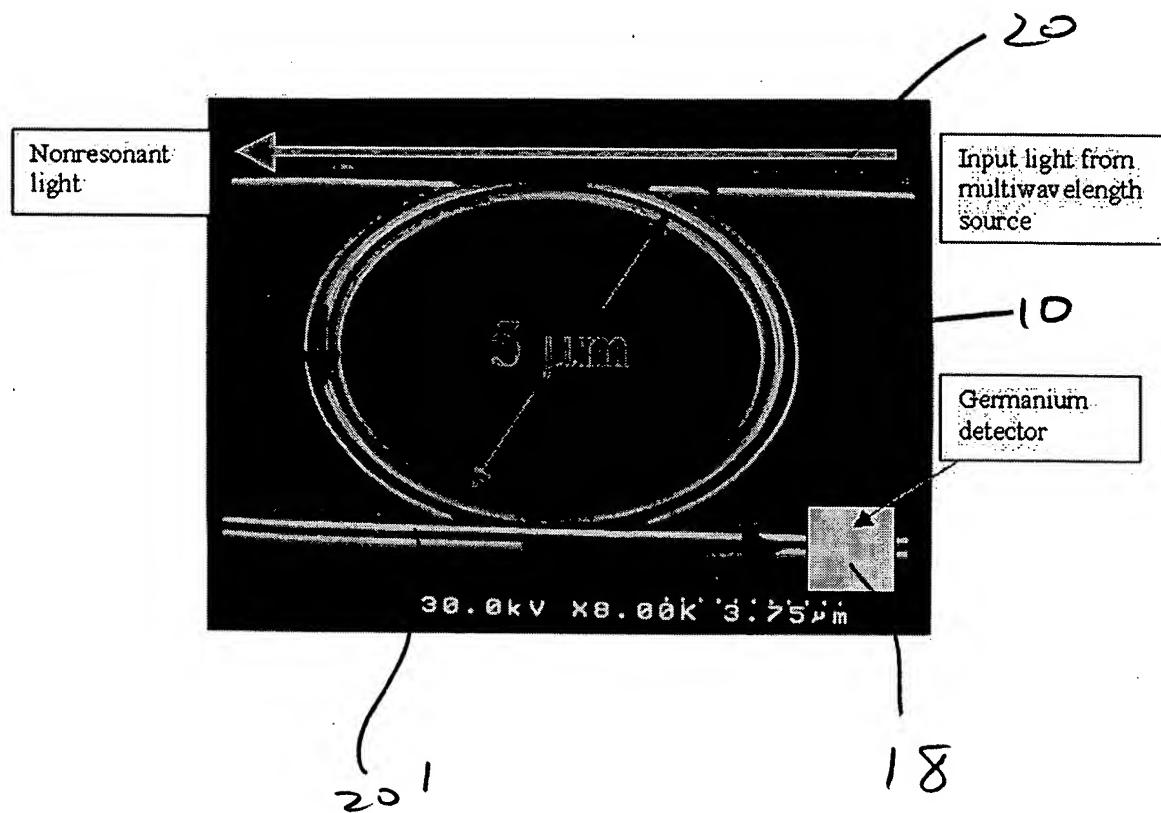
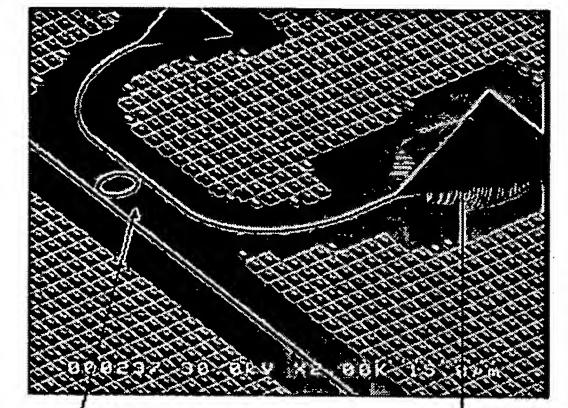


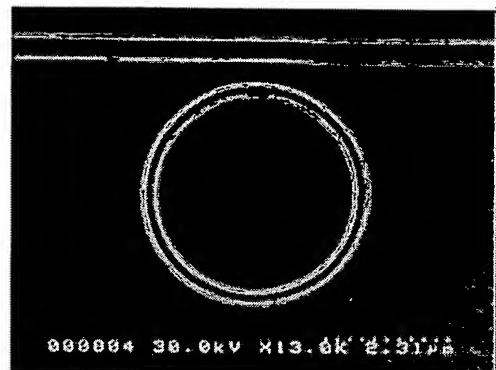
Fig. 7



Nanoresonator
filter

Highly efficient
grating coupler

Silicon on Insulator
technology is ideally
suited for the fabrication
of nanophotonic circuits



000004 30.0kv x13.0k 8.31µm

Fig. 8

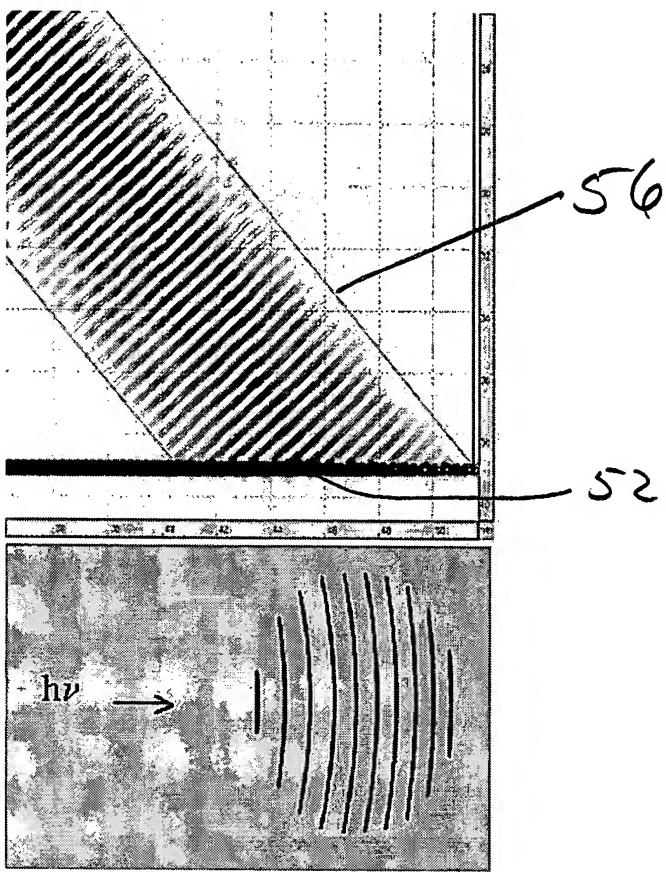


Fig. 9

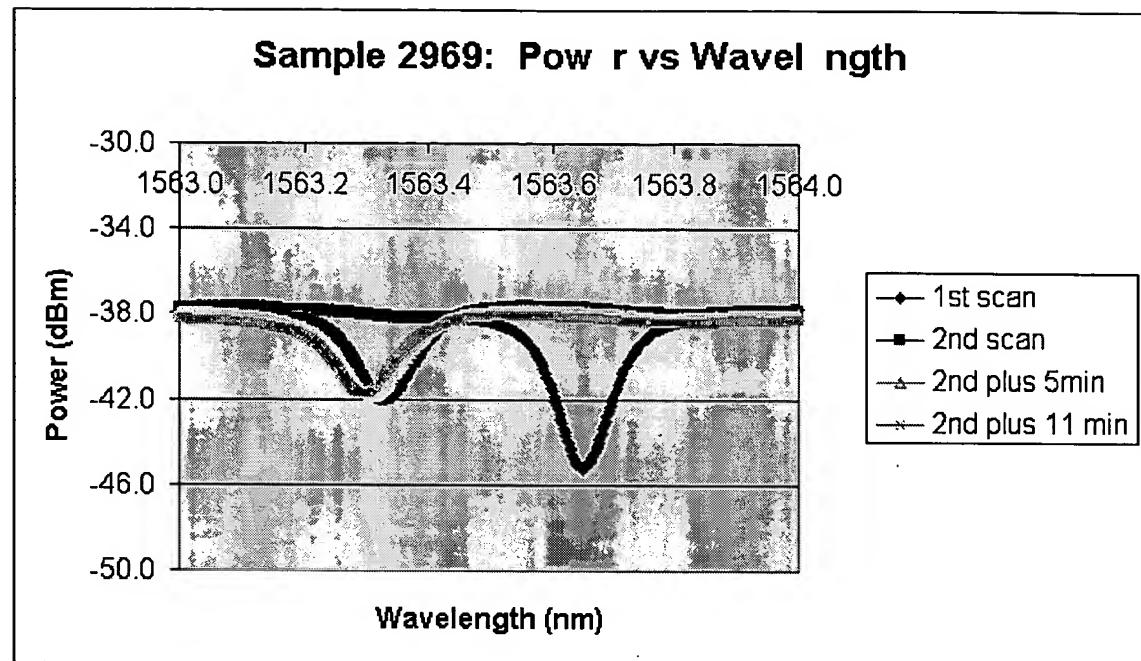


Fig. 10

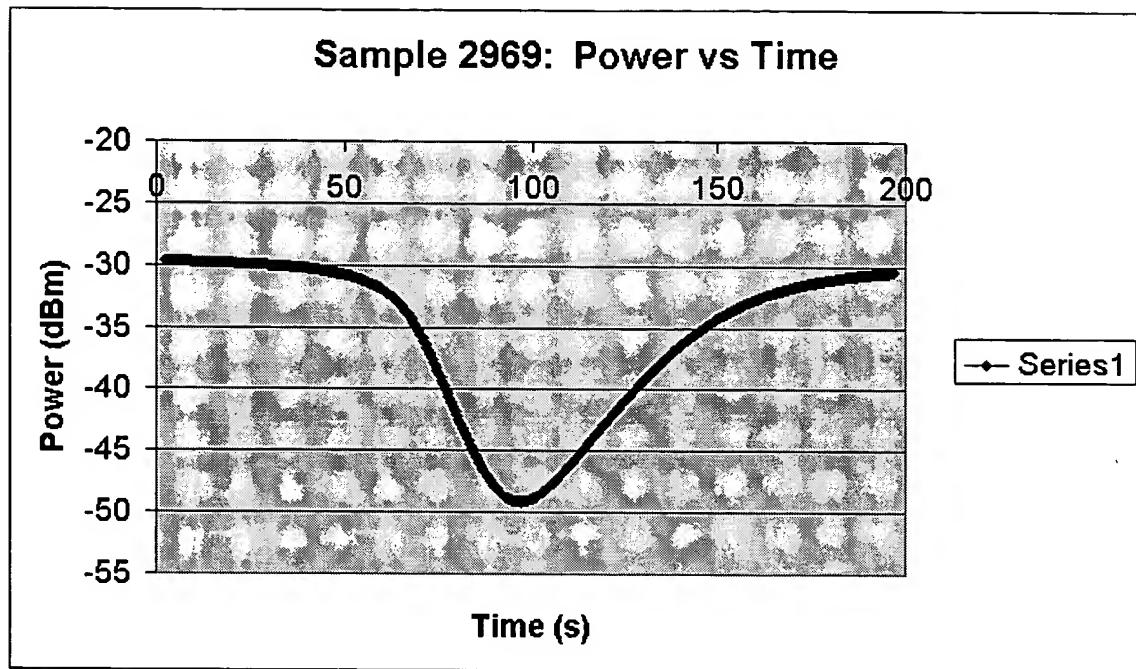


Fig. 11

Fig.12b

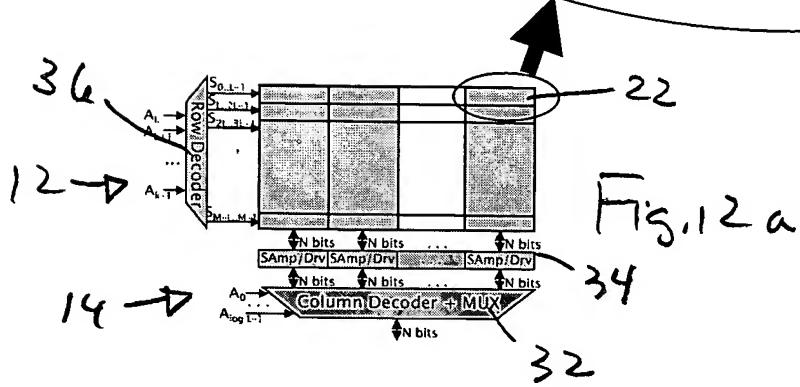
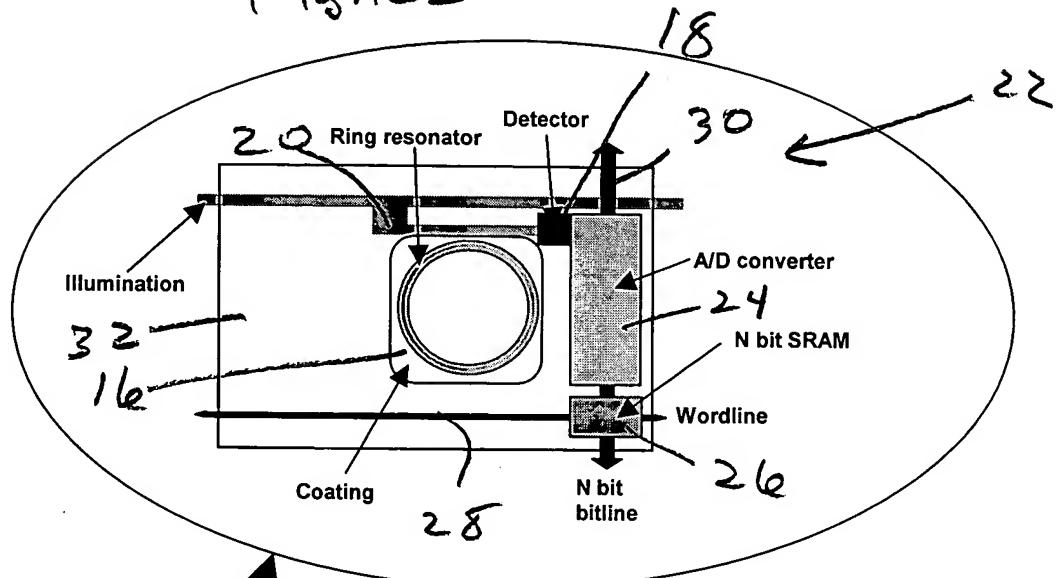


Fig.12a